Proxy - FL NP PND-4TX IB - 2985974

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Proxy for PROFINET-RT-IRT, G4 functionality, INTERBUS proxy with integrated 4-port switch

Product Description

The latest generation of INTERBUS proxies seamlessly integrate a complete INTERBUS system together with all its functions into a higher-level control system with PROFINET functionality. Using GSDML files, the parameterization can be integrated perfectly into the higher-level engineering system.

The devices offer the following features:
- Data exchange, diagnostics, and parameterization are via the PROFINET protocol
- They can be integrated and parameterized in any controller using the PROFINET functionality
- LLDP support for topology detection
- PROFINET update rates ≥ 1 ms

Your advantages

- LLDP support for topology detection
- Data exchange, diagnostics, and parameterization are via the PROFINET protocol
- Can be integrated and parameterized in any controller using the PROFINET functionality
- PROFINET update rates = 1 ms

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 168939
GTIN	4046356168939
Weight per Piece (excluding packing)	760.000 g
Custom tariff number	85176200
Country of origin	Germany

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Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width	128 mm
Height	95 mm
Depth	69 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Air pressure (operation)	80 kPa ... 108 kPa (2000 m above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (3000 m above sea level)

Interfaces

Interface	Ethernet
No. of ports	4
Transmission speed	10/100 Mbps
Transmission length	100 m

PROFINET

Device function	PROFINET-Proxy
Specification	PROFINET-IO RT, Spec. 2.2
Update rate	min. 1 ms

Function

PROFINET device function	PROFINET-Proxy
PROFINET specification	PROFINET-IO RT, Spec. 2.2
PROFINET conformance class	B
Status and diagnostic indicators	7-segment display/ diagnostics LEDs
Number of supported devices	max. 512 (Depending on the control class and data direction)
Amount of process data	512 words
Number of devices with parameter channel	max. 126 (512 words)

Supply voltage

Supply voltage	24 V DC
Residual ripple	3.6 V_{PP} (within the permitted voltage range)

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Technical data

Supply voltage

Supply voltage range	18.5 V DC ... 30.2 V DC
Typical current consumption	typ. 350 mA

General

Mounting type	DIN rail mounting
Type AX	Stand-Alone
Net weight	734.9 g

Standards and Regulations

Noise emission	EN 55011 / Class A
Vibration (storage/transport)	5g
Free from substances that could impair the application of coating	Yes
Vibration (operation)	5g, accordance to IEC 60068-2-6

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Classifications

eCl@ss

eCl@ss 10.0.1	19170405
eCl@ss 11.0	19170405
eCl@ss 4.0	27250500
eCl@ss 4.1	27250500
eCl@ss 5.0	27250500
eCl@ss 5.1	27250500
eCl@ss 6.0	27242600
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608
eCl@ss 9.0	19170103

ETIM

ETIM 2.0	EC001434
ETIM 3.0	EC001604
ETIM 4.0	EC001478
ETIM 5.0	EC001604

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Classifications

ETIM

ETIM 6.0	EC001478
ETIM 7.0	EC001478

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	32151602
UNSPSC 18.0	43222609
UNSPSC 19.0	43222609
UNSPSC 20.0	43222609
UNSPSC 21.0	43222609

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
EAC			RU*DE*08.B.00731/19

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Approvals

cULus Listed

Accessories

Accessories

Configuration and diagnostics

Software - CONFIG+ OEM - 2700779



Config+ project license, for configuration and diagnostics of an INTERBUS system. Please enter the project number in the configuration field or get in touch with your contact person in our sales organization.

Software - CONFIG+ DEMO - 2868046



Config+ Demo version with limited range of functions (unable to save projects). The demo version is available free of charge and does not require a license key. It is part of the AUTOMATIONWORX Software Suite, which you can download under “Downloads”.

Software - CONFIG+ - 2868059



Config+ full version for configuration and diagnostics of an INTERBUS system

Software - CONFIG+ CPY - 2868062



The Config+ copy license enables the installation and parallel use of the Config+ software on multiple workstations. A single-user full license is also required. It is a workstation license

Device parameterization

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Accessories

Software - AX+ BASIC - 2985068



Software CD for FDT container for integrating device DTMs (free download)

Documentation

User manual - IBS SYS DIAG DSC UM - 2747280



User Manual, German, for diagnosis in Generation 4 controller boards

Parameterization memory

Memory - CF FLASH 256MB - 2988780



Program and configuration memory, plug-in, 256 MB

Memory - CF FLASH 2GB - 2701185



Program and configuration memory, plug-in, 2 Gbytes.

Programming

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Accessories

Software - AX DTM LIB - 2988065



DTM library

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